

## INTERNATIONAL SEARCH REPORT

Inter nal Application No  
PCT/IB2005/050402

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R33/563

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, INSPEC, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>TUCH DAVID S ET AL: "High angular resolution diffusion imaging reveals intravoxel white matter fiber heterogeneity" MAGNETIC RESONANCE IN MEDICINE, vol. 48, no. 4, October 2002 (2002-10), pages 577-582, XP002321697 ISSN: 0740-3194 page 577, column 1, paragraph 1 - page 578, column 1, paragraph 1-4 page 579, column 1, paragraph 3 - column 2, paragraphs 4,5</p> <p>----- -/--</p>	1-6

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 March 2005

Date of mailing of the international search report

19/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Dragomir, A

## INTERNATIONAL SEARCH REPORT

Inter: 1st Application No

PCT/IB2005/050402

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FRANK L R: "Anisotropy in high angular resolution diffusion-weighted MRI." MAGNETIC RESONANCE IN MEDICINE : OFFICIAL JOURNAL OF THE SOCIETY OF MAGNETIC RESONANCE IN MEDICINE / SOCIETY OF MAGNETIC RESONANCE IN MEDICINE. JUN 2001, vol. 45, no. 6, June 2001 (2001-06), pages 935-939, XP002321698 ISSN: 0740-3194 page 939, column 1; example 1 -----	1-6
A	ZHAN WANG ET AL: "Circular spectrum mapping for intravoxel fiber structures based on high angular resolution apparent diffusion coefficients." MAGNETIC RESONANCE IN MEDICINE, vol. 49, no. 6, June 2003 (2003-06), pages 1077-1088, XP002321699 ISSN: 0740-3194 -----	1-6
A	FRANK LAWRENCE R: "Characterization of anisotropy in high angular resolution diffusion-weighted MRI." MAGNETIC RESONANCE IN MEDICINE : OFFICIAL JOURNAL OF THE SOCIETY OF MAGNETIC RESONANCE IN MEDICINE / SOCIETY OF MAGNETIC RESONANCE IN MEDICINE. JUN 2002, vol. 47, no. 6, June 2002 (2002-06), pages 1083-1099, XP002321700 ISSN: 0740-3194 -----	1-6